

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Erling Reidar ANDERSEN

Entitled: Method and Apparatus for Hydrogenating  
Hydrocarbon Fuels

Filed: Submitted herein

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Commissioner of Patents and Trademarks  
Washington, D. C. 20231  
USA

Hon. Commissioner:

In regard to the above-noted Application, and in order to comply with the Duty of Disclosure requirements of 37 C.F.R. 1.56, I submit herewith an Information Disclosure Statement by Applicant form comprising three sheets. The documents submitted with these Forms 1449A are those that became available to the Applicant since the filing date of the latest parent application. Therefore, the following documents are enclosed:

|               |               |
|---------------|---------------|
| US 254,189;   | US 3,542,524; |
| US 436,812;   | US 3,561,926; |
| US 978,641;   | US 3,777,692; |
| US 1,504,546; | US 3,890,102. |

Respectfully submitted,



Mario D. Theriault, P.Eng.  
Patent Agent  
Registration No.: 40,368

December 3, 2003

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |            |           |              | <b>Application Number</b>     |                        |
|  |            |           |              | <b>Filing Date</b>            |                        |
|  |            |           |              | <b>First Named Inventor</b>   | <b>Erling Andersen</b> |
|  |            |           |              | <b>Art Unit</b>               |                        |
|  |            |           |              | <b>Examiner Name</b>          |                        |
| <b>Sheet</b>   | <b>one</b> | <b>of</b> | <b>three</b> | <b>Attorney Docket Number</b> | <b>23209</b>           |

| U.S. PATENT DOCUMENTS |                       |   |                                |  |   |
|-----------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials*    | Cite No. <sup>1</sup> | Document Number                           | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       |                       | Number- Kind Code <sup>2</sup> (if known) |                                |  |   |
| US-                   |                       |   |                                |  | Class-Subclass  |
| US-                   | 490,437               |   | 01-24-1893                     | Hawkins  |   |
| US-                   | 767,289               |   | 08-09-1904                     | Kirkwood   |   |
| US-                   | 909,536               |   | 09-12-1909                     | Brindley   |   |
| US-                   | 934,036               |   | 09-14-1909                     | Brindley   |   |
| US-                   | 1,916,473             |   | 07-04-1933                     | Forrest  |   |
| US-                   | 2,721,789             |   | 10-25-1955                     | Gill   | 23-282  |
| US-                   | 3,348,919             |   | 10-24-1967                     | Shumway  | 23-211  |
| US-                   | 3,554,707             |   | 01-12-1971                     | Holmes   | 23-282  |
| US-                   | 3,942,511             |   | 03-09-1976                     | Black et al.                                       | 126-248   |
| US-                   | 3,957,483             |   | 03-18-1976                     | Suzuki   | 75-0.5R   |
| US-                   | 3,975,913             |   | 08-24-1976                     | Erickson   | 60-645  |
| US-                   | 4,223,661             |   | 09-23-1980                     | Sergev et al.                                      | 126-204   |
| US-                   | 4,269,818             |   | 05-26-1981                     | Suzuki   | 423-657   |
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| US-                   | 4,598,552             |   | 07-08-1986                     | Weber  | 60-673  |
| US-                   | 4,643,166             |   | 02-17-1987                     | Hubele et al.                                      | 126-263   |
| US-                   | 4,670,018             |   | 06-02-1987                     | Cornwell   | 44-1E   |
| US-                   | 4,730,601             |   | 03-15-1988                     | Hubele et al.                                      | 126-263   |
| US-                   |                       |   |                                |  |   |

|                       |  |                    |
|-----------------------|--|--------------------|
| Examiner<br>Signature |  | Date<br>Considered |
|-----------------------|--|--------------------|

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<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the, appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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| <b>INFORMATION DISCLOSURE<br/>STATEMENT BY APPLICANT</b><br><i>(use as many sheets as necessary)</i> |     |    |       | Application Number       |                 |
| Sheet  | two | of | three | Filing Date              |                 |
|  |     |    |       | First Named Inventor     | Erling Andersen |
|  |     |    |       | Art Unit                 |                 |
|  |     |    |       | Examiner Name            |                 |
|  |     |    |       | Attorney Docket Number   | 23209           |

| U.S. PATENT DOCUMENTS |                       |  |                                |  |   |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials     | Cite No. <sup>1</sup> | Document Number<br>Number- Kind Code <sup>2</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear |
|                       | US-                   |  |                                |  | <b>Class-Subclass</b>   |
|                       | US- 4,752,463         | 06-21-1988   | Nagira et al.                  | 423-657  |   |
|                       | US- 4,769,044         | 09-06-1988   | Cornwell                       | 44-605   |   |
|                       | US- 4,882,128         | 11-21-1989   | Hukvari et al.                 | 422-119  |   |
|                       | US- 5,143,047         | 09-01-1992   | Lee                            | 126-263  |   |
|                       | US- 5,286,473         | 02-15-1994   | Hasebe                         | 423-657  |   |
|                       | US- 5,833,934         | 11-10-1998   | Adlhart                        | 422-239  |   |
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|                       | US-                   |  |                                |  |   |
|                       | US- 254,189           | 02-28-1882   | Berland, Alexander             | 48/116   |   |
|                       | US- 436,812           | 09-23-1890   | Tallmadge, James W.            | 48/118   |   |
|                       | US- 978,641           | 12-13-1910   | Poe, George                    | 422/112  |   |
|                       | US- 1,504,546         | 08-12-1924   | Curtis, W.E.                   | 99/336   |   |
|                       | US- 3,542,524         | 11-24-1970   | Kimble et al.                  | 422/120  |   |
|                       | US- 3,561,926         | 02-09-1971   | McElroy, James F.              | 422/212  |   |
|                       | US- 3,777,692         | 12-11-1973   | Baccaglini et al.              | 114/54   |   |
|                       | US- 3,890,102         | 06-17-1975   | Gathmann et al.                | 422/220  |   |
|                       | US-                   |  |                                |  |   |
|                       | US-                   |  |                                |  |   |
|                       | US-                   |  |                                |  |   |

| FOREIGN PATENT DOCUMENTS |                       |   |                                |  |   |
|--------------------------|-----------------------|---|--------------------------------|--|---|
| Examiner Initials        | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> -Number <sup>4</sup> - Kind Code <sup>5</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines,<br>Where Relevant Passages<br>or Relevant Figures Appear |
|                          |                       | CA 2,116,468  | 10-27-1998                     | Grolman  |   |
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|                          |                       | JP 401,208,301  | 02-15-1988                     | Mito   |   |
|                          |                       | WO 94/18117   | 08-18-1994                     | Hasebe   |   |

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|  |       | Filing Date              |                        |       |
|  |       | First Named Inventor     | Erling Andersen        |       |
|  |       | Group Art Unit           |                        |       |
|  |       | Examiner Name            |                        |       |
| Sheet  | three | of                       | three                  |       |
|  |       |                          | Attorney Docket Number | 23209 |

#### **OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS**

|                               |  |                            |  |
|-------------------------------|--|----------------------------|--|
| <b>Examiner<br/>Signature</b> |  | <b>Date<br/>Considered</b> |  |
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